

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA PRODUCT CONTROL SECTION 11805 S.W. 26 Street, Room 208 T (786) 315–2590, F (786) 315–2599 www.miamidade.gov/economy

WinDoor, Inc. 7500 Amsterdam Drive Orlando, FL 32832

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "9050 Thermally Broken" Aluminum Outswing Glazed French Door-L.M.I.

APPROVAL DOCUMENT: Drawing No. **08–01637**, titled "Series 9050 Terrace Outswing Double Door", sheets 1 through 11 of 11, dated 06/21/12 with revision "A" dated 11/21/12, prepared by manufacture, dated 01/17/13, signed and sealed by Luis Roberto Lomas, P. E., bearing the Miami–Dade County Product Control Section Approval stamp with the Notice of Acceptance number and Approval date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LIMITATION: All steel anchor strength shall be minimum Grade 5.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

MIAMI-DADE COUNTY
APPROVED

J. GASWY 2/7/13

NOA No. 12-0627.07 Expiration Date: February 07, 2018 Approval Date: February 07, 2013

Page 1

WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. 08–01637, titled "Series 9050 Terrace Outswing Double Door", sheets 1 through 11 of 11, dated 06/21/12 with revision "A" dated 11/21/12, prepared by manufacture, dated 01/17/13, signed and sealed by Luis Roberto Lomas, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202–94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked—up drawings and installation diagram of an outswing French door, prepared by National Certified Testing Laboratories, Inc., revised Test Report No. **NCTL–210–3781–2R**, revision date 10/10/12, signed and sealed by Gerard J. Ferrara, P. E.

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201–94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked—up drawings and installation diagram of an outswing French door, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NCTL-210-3781-2**, dated 04/10/12, signed and sealed by Gerard J. Ferrara, P. E.

C. CALCULATIONS

- 1. Anchor calculations and structural analysis, complying with FBC–2010, submitted dated 06/12/12, prepared, signed, sealed and dated 01/21/13 by Luis Roberto Lomas, P. E.
- 2. Glazing complies with ASTM E1300-04

D. OUALITY ASSURANCE

1. Miami–Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11–0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont SentryGlas® Interlayer" dated 08/25/11, expiring on 01/14/17.

Jaime D. Gascon, P. E.

Product Control Section Supervisor NOA No. 12-0627.07

Expiration Date: February 07, 2018 Approval Date: February 07, 2013

WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

- 2. Test Report No. ETC-08-1043-20974.0 per ASTM D 1929-96 (2001) (Ignition) dated 07/01/08, issued by ETC Laboratories, Inc., issued to Technoform for Polyimide plastic strut P/N PA 66 GF25, signed by Gurjinder Dhami.
- 3. Test Report No. ETC-07-1043-19094-0 per ASTM G 26-95 (4500 Xenon Arc) and ASTM D 638 dated 02/18/08, issued by ETC Laboratories, Inc., issued to Technoform for Polyimide plastic strut, signed and sealed by Joseph Labora Doldan, P. E.
- 4. Test Report No. ATI-61261.01-106-18 per ASTM D 2843-99 (Smoke density) and ASTM D 635 (Rate of burning) dated 12/14/05, issued by Architect Testing, Inc., issued to Technoform for Polyimide plastic strut, signed and sealed by Joseph A. Reed, P. E.

F. STATEMENTS

- 1. Statement letter of no financial interest, conformance and complying with FBC–2010, dated 06/21/12, issued, signed and sealed by Luis Roberto Lomas, P. E.
- 2. Laboratory addendum letter for Test Report No. NCTL-210-3781-2R, issued by National Certified Testing Laboratories, Inc., dated 10/10/12, signed and sealed by Gerard J. Ferrara, P. E.
- 3. Laboratory compliance letter for Test Report No. NCTL-210-3781-2, issued by National Certified Testing Laboratories, Inc., dated 04/10/12, signed and sealed by Gerard J. Ferrara, P. E.
- 4. Laboratory compliance letter for Test Report No. ETC-07-1043-19094-0, issued by ETC Laboratories, Inc., dated 02/18/08, signed and sealed by Joseph Labora Doldan, P. E.
- 5. Laboratory compliance letter for Test Report No. ATI-61261.01-106-18, issued by Architect Testing, Inc., dated 12/14/05, signed and sealed by Joseph A. Reed, P. E.
- 6. Proposal No. **09–1509** issued by Product Control, dated 12/03/09, signed by Ishaq Chanda, P. E.

G. OTHERS

1. None.

Jaime D. Gascon, P. E. Product Control Section Supervisor

NOA No. 12-0627.07

Expiration Date: February 07, 2018 Approval Date: February 07, 2013

NOTES

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5. FRAME MATERIAL: ALUMINUM 6063-T6
- 6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 3 FOR GLASS OPTIONS.
- 7. APPROVED IMPACT PROTECTIVE SYSTEM <u>IS NOT REQUIRED</u> FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH
 TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE
 DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11. FOR ANCHORING INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 12. ALL FASTENERS TO BE CORROSION RESISTANT.
- 13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

REVISIONS						
REV	DESCRIPTION	DATE	APPROVED			
Α	UPDATED PER MD COMMENTS	11/21/12	R.L.			

CORNER CONSTRUCTION AND WEEP HOLES NOTES:

STANDARD FRAME CORNER CONSTRUCTION:

FRAME CORNERS ARE OF BUTTED CONSTRUCTION. HEAD AND SILL ARE ATTACHED TO JAMBS USING (2) #10 X 1 1/4" PH SQ DRIVE SS SCREWS.

ADA FRAME CORNER CONSTRUCTION:

FRAME CORNERS ARE OF BUTTED CONSTRUCTION. HEAD AND SILL ARE ATTACHED TO JAMBS USING (2) $\#10\ X\ 1\ 1/4"$ PH SQ DRIVE SS SCREWS.

PANEL CORNER CONSTRUCTION:

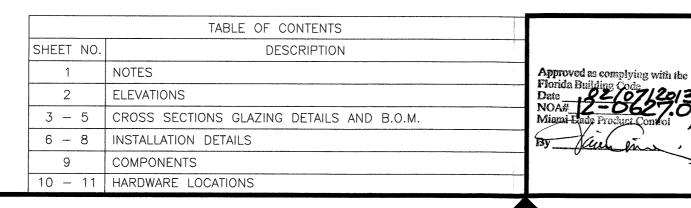
PANEL FRAME CORNERS ARE OF BUTTED CONSTRUCTION.

ACTIVE PANEL RAILS ARE ATTACHED TO STILES USING #8 X 1" LEAD POINT SCREWS AT SCREW BOSSES.

INACTIVE PANEL RAILS ARE ATTACHED TO STILES USING #8 X 1" LEAD POINT SCREWS AND #10 X 3/4" LEAD POINT SCREWS AT SCREW BOSSES. #10 SCREWS ARE USED IN SCREW BOSSES WHERE REINFORCEMENT IS PRESENT.

WEEP HOLES:

(2) 9/32" X 1" WEEP HOLES WITH PLASTIC COVERS ARE LOCATED 3" FROM SILL ENDS.



WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832

Phone: 407.481.8400 Fax: 407.481.0505

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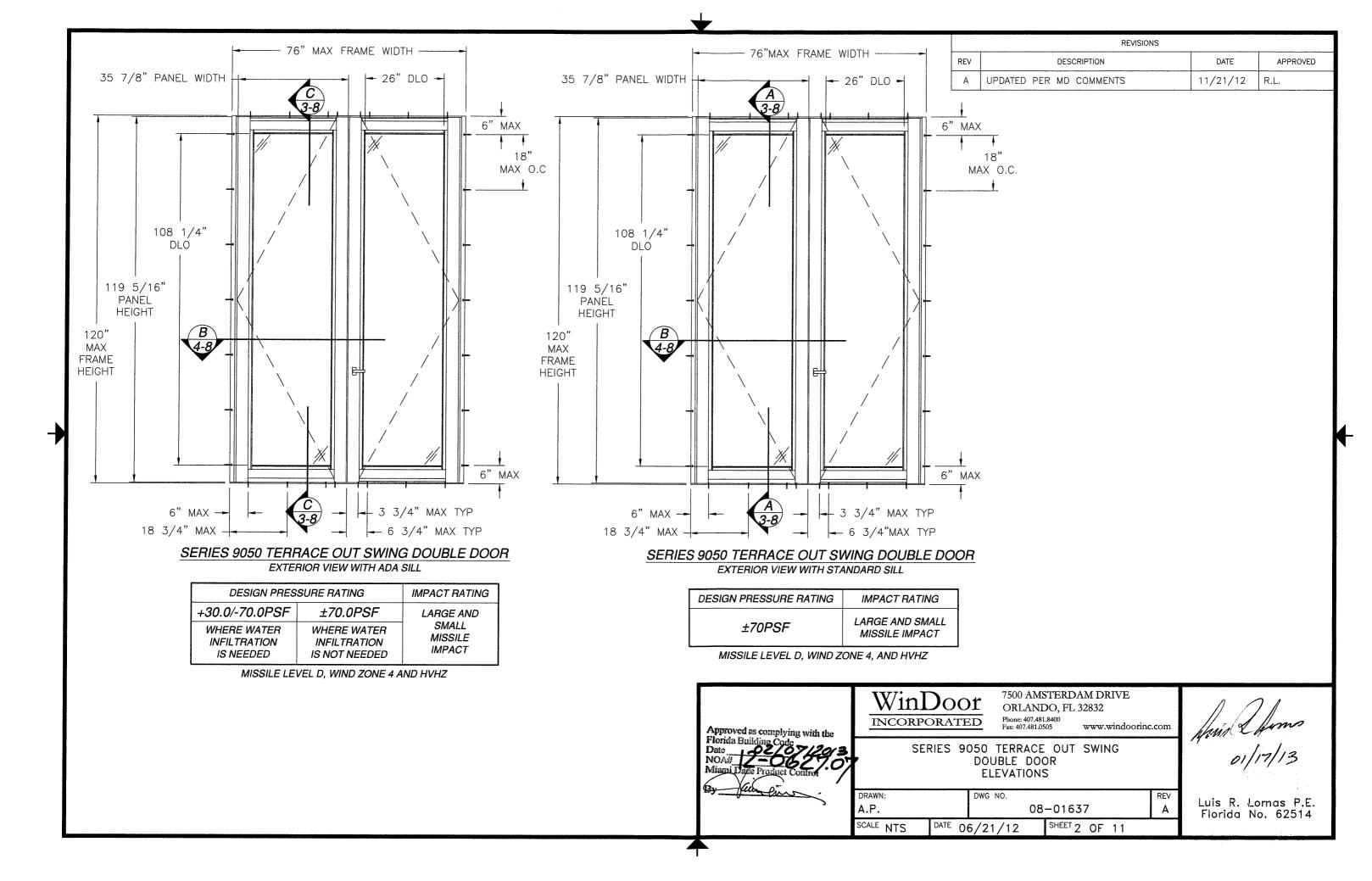
SERIES 9050 TERRACE OUT SWING DOUBLE DOOR NOTES

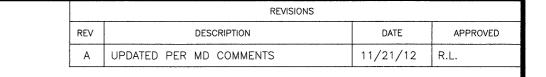
DRAWN: A.P. SCALE NTS DWG NO.

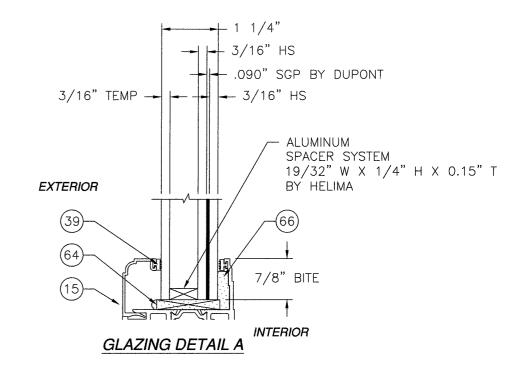
DATE 06/21/12

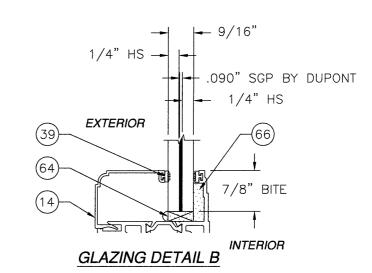
08-01637 A

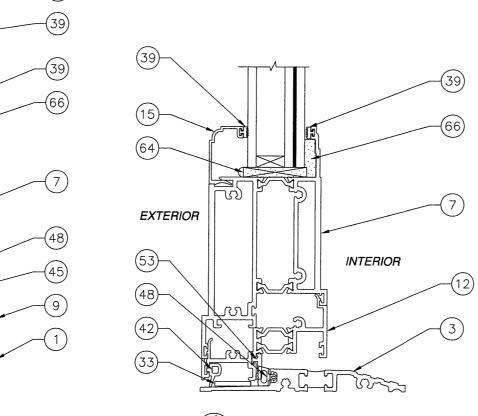
Luis R. Lomas P.E. Florida No. 62514











7 700

INTERIOR

VERTICAL SECTION

3 STANDARD FRAME AND SILL

(33)

48

(15)

(14)

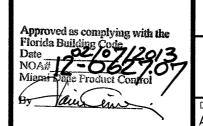
(52)

(33)

(41)

EXTERIOR

VERTICAL SECTION STANDARD FRAME W/ ADA SILL



7500 AMSTERDAM DRIVE WinDoor INCORPORATED

ORLANDO, FL 32832

Phone: 407.481.8400 Fax: 407.481.0505

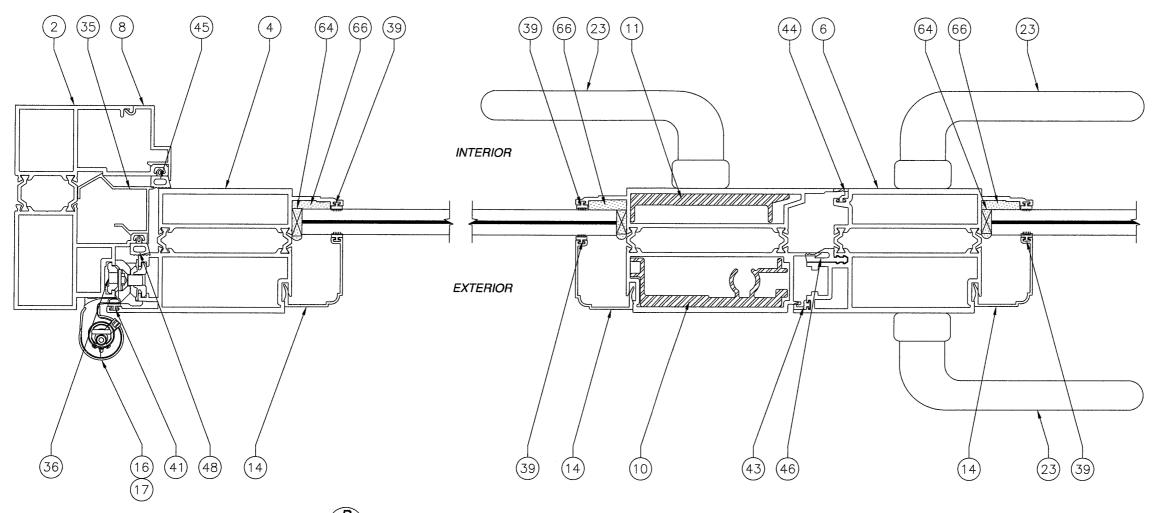
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SERIES 9050 TERRACE OUT SWING DOUBLE DOOR CROSS SECTIONS GLAZING DETAILS AND B.O.M.

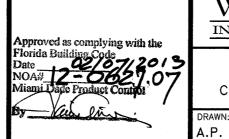
DRAWN: DWG NO. A.P. 08-01637 SCALE NTS DATE 06/21/12 SHEET 3 OF 11

Luis R. Lomas P.E. Florida No. 62514

REVISIONS					
REV	DESCRIPTION	DATE	APPROVED		
Α	UPDATED PER MD COMMENTS	11/21/12	R.L.		



(B) HORIZONTAL SECTION



WinDoor CONTROL PROPERTY OF THE PROPERTY OF TH

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SERIES 9050 TERRACE OUT SWING
DOUBLE DOOR
CROSS SCTIONS GLAZING DETAILS AND B.O.M.

DRAWN: DWG NO. REV
A.P. 08-01637 A

SCALE NTS DATE 06/21/12 SHEET 4 OF 11

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Luis R. Lomas P.E. Florida No. 62514

		PARTS LIST			
NO.	PART NUMBER	T NUMBER DESCRIPTION MANUFACTURER			
1	905A32	FRAME HEAD & SILL	KEYMARK	6063-T6	
2	905A21	FRAME JAMB	KEYMARK	6063-T6	
3	S46079	ADA SILL W/ URETHANE BREAK	KEYMARK	6063-T6	
4	905A03	HINGE STILE ACTIVE PANEL KEYMARK		6063-T6	
5	905A18	STILE INACTIVE PANEL	KEYMARK	6063-T6	
6	905A17	STILE ACTIVE PANEL	KEYMARK	6063-T6	
7	905A05	TOP & BOTTOM RAIL PANEL	KEYMARK	6063-T6	
8	S46085	JAMB & HEAD COVER PLATE	KEYMARK	6063-T6	
9	S46086	SILL COVER PLATE	KEYMARK	6063-T6	
10	S06862	STILE REINFORCEMENT - LARGE	KEYMARK	6063-T6	
11	S06803	STILE REINFORCEMENT - SMALL	KEYMARK	6063-T6	
12	905A09	ADA PANEL BOTTOM RAIL	KEYMARK	6063-T6	
13	S46080	EURO FRAME GROOVE COVER	KEYMARK	6063-T6	
14	S46082	GLAZING BEAD 437 - 562	KEYMARK	6063-T6	
15	S46084	GLAZING BEAD 1.250	KEYMARK	6063-T6	
16	00598N	FLASH XXL DOOR HINGE SET	GIESSE		
17	00599	HINGE COVERS			
18	00591	HINGE PRELOAD PLATE	GIESSE		
19		BOTTOM EXTENSION	HOPPE		
20		MIDDLE EXTENSION	HOPPE		
21		TOP EXTENSION	HOPPE		
22		MORTISE FLUSHBOLT	HOPPE		
23		HANDLE & TRIM SET HOPPE			
24		LOCK CYLINDER & THUMB TURN	ER & THUMB TURN HOPPE		
25	p7012013eSWH	HOOK LATCH STRIKE PLATE	HOPPE		
26	p7012011eWLD	LATCH & DEAD BOLT STRIKE PLATES	HOPPE		
27	p701XXX-SBR	SHOOT BOLT REINFORCING PLATES	HOPPE		
28	p10311-SPACER	SHOOT BOLT REINFORCING SHIM	HOPPE		
29	1900908	10 MM STANDARD ROD GUIDES HOPPE			
30	8787443	30 MM FLUSH BOLT ROD LOCK	ROD LOCK HOPPE		
31		10 MM FLUSH BOLT ROD	HOPPE	-	
32		10 MM FLUSH BOLT ROD	HOPPE		
33	p7012010eWSB	SHOOT BOLT STRIKE	HOPPE		
34	WA2L	WEEP HOLE COVER	EP HOLE COVER ENGINEERING		
35	905-VX-25	JAMB ANCHOR COVER	MOR-X PLASTICS	PVC	
36	1445	SNUBBER DRIVE	ADVANTAGE MFG.		
39	TP1046	#7 GLAZING VINYL	TEAM PLASTICS 85 DUROMET		
40	905VP-21	RAMP BLOCK			
41	90003-1	WEATHERSTRIP	LAUREN MFG.	75 DUROMETER	
42	4-2709	WEATHERSTRIP	LAUREN MFG.	75 DUROMETER	

	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
Α	UPDATED PER MD COMMENTS	11/21/12	R.L.

PARTS LIST					
NO.	PART NUMBER DESCRIPTION		MANUFACTURER	MATERIAL	
43	4-3911	WEATHERSTRIP	LAUREN MFG.	75 DUROMETER	
44	4-3912	WEATHERSTRIP	LAUREN MFG.	75 DUROMETER	
45	4-3913	EPDM SEAL	LAUREN MFG.	75 DUROMETER	
46	4-3826	SPONGE EPDM WITH PSA TAPE	LAUREN MFG.	75 DUROMETER	
47	52105	STRIP PLUG	LAUREN MFG.	75 DUROMETER	
48	54576	SPONGE EPDM SEAL	LAUREN MFG.	75 DUROMETER	
49	53993	STRUT COVER	LAUREN MFG.	75 DUROMETER	
50	8303	WEATHERSTRIP	TRELLEBORG	75 DUROMETER	
51	TP-446	FILLER	TEAM PLASTICS	92 DUROMETER	
53	TP-1126	FILLER	TEAM PLASTICS	90 DUROMETER	
54	131014	#8 X 1" PH SQ. DRIVE SCREW			
55	131008	#10 X 3/4" PHILL FH TEK SCREW			
56		#10 X 3/4" PHILL FH TAPCON			
58	131005	#10 X 1 1/4" PH SQ. DRIVE SCREN			
59	131001	#10 X 2 1/2" PHILLIPS FH TEK			
60		#14 X 3" PH			
61		#14 X 3" FH			
64	FG0015011	GLASS SHIM 1/4"X3/4"X3/4" TO 1"		NEOPRENE 80D	
65	SIKA 552	SILICONE CAULK			
66		URETHANE SEALANT			

ITEMS 37, 38, 52, 57, 62, 63, ARE NOT USED.

Approved as complying with the	Winl INCORP				orinc.com	pair Choms
Florida Building Code Date NOA# Miami Dade Product Control	SERIES 9050 TERRACE OUT SWING DOUBLE DOOR CROSS SECTIONS GLAZING DETAILS AND B.O.M.		01/17/13			
By lake line	DRAWN: A.P.		DWG NO.	3-01637	REV A	Luis R. Lomas P.E. Florida No. 62514
	SCALE NTS	DATE 06	/21/12	SHEET 5 OF 11		

